	•	· ·					ATTY DOCKET NO. 5038.00	S	ERIAL NO.	815168	
		IŅF		ATION DISCLOSURE Ise several cheets if necess		7.4	FREEMAN et al.	<u> </u>			
	•		,,	OIPE	2197		FILING		ROUP		
				( )			March 11, 199	7		2776	
	·			JUN 1 8 2001 E	U.S	S. PATENT	DOCUMENTS				
EXAI	WINER AL			CUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATI	
H	VI	A	535	7276	10/18/94	BANKE	CR et al.	348	7	δ.	
		В	536	5346	11/15/94	ABUMI		348	708	//*C	3
		С	553	2748	07/02//96	NAIMP	ALLY	348	432 Echn	14 E E	TED
		D	560	0368	02/04/97	MATTI	HEWS, III	348	143	Sy Cento	001
		E	572	4091	03/03/98	FREEM	IAN et al.	348	13	May Cente	2100
		F	514	0419	08/18/92	GALUN	MBECK et al.	358	142		
		G	545	3794	09/26/95	EZAKI		348	461	7	2
		н	548	1542	01/02/96	LOGST	ON et al.	370	94.2 Chino	JUN 2 7 2001	303
		I	552	6035	06/11/96	LAPPIN	NGTON et al.	348	13	27 (	ME
		J	553	4913	07/09/96	MAJET	T et al.	348	7	LOU!	Ğ
		Н	553	9471	07/23/96	MYHR	VOLD et al.	348	473	600	
	•				FORE	IGN PATE	NT DOCUMENTS				
				DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSI YES	ATION NO
		I	wo	9311617	06/1993	WIPO					
		J	wo	9322877	11/1993	WIPO					
		K	wo	9605699	92122/96	WIPO					
		L	7-46	5198	02/1995	Japan					<b>\</b>
		M	075	7485	02/05/97	ЕРО					
				OTHER DOCUMEN	ITS (Includin	g Author	, Title, Date, Pertinent F	Pages, Etc.)			
			N	Yu, P.S. et al., "Design a Applications." Multimed	nd Analysis of a ia Systems, vol	Look-Ahe 3, No. 4, 1	ad Scheduling Scheme to S Jan. 1995, pp. 137-149, XI	upport Pause 000576898.	-Resume for V	'ideo-On-D	emand
			0	"Web TV over Digital Ca http://web-star.com/hdtv	able"; Author - I news/webtvover	Dale Cripp digitalcab	os; May 4, 1998; le.html; pages 1-4.				
EXAN	MINEF	· (	to	alau			DATE CONSIDERED (2/13/0)			<u>.</u>	
*EXA consi	MINE dered	R: Miti	al If ref		or not citation is munication to app	in conform plicant.	ance with MPEP 609; Draw I		ation if not in co	onformance	and not

1,

. •	ī						ATTY DOCKET NO. 5038.00		SERIAL NO. 08/	815168
		IŅF	ORMA (L	ATION DISCLOSURE Use several sheets if necess	ATATION	7 91	FREEMAN et al.			
			,-				FILING		GROUP	
				3 JUH 1 8 20	44.7		March 11, 1997	7	<u> </u>	2776
	-	<del></del>	<del>,</del>	740mm2X	OFFICE U.S	S. PATENT	DOCUMENTS		<del>,</del>	
*EXAM		ļ		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
H	ψT	P	554	3849	08/06/96	LONG		348	460	
		Q	555	3221	09/03/96	REIME	R et al.	395	154	Co
		R	556	4073	10/08/96	TAKAH	IISA	455	66 Pechno	ON E. VEN
		s	557	2442	11/05/96	SCHUL	HOF et al.	364	514C	Ogy Con 2001
		Т	558	9892	12/31/96	KNEE e	et al.	348	731	PECENVE POOR CONFERENCE POOR
		U	561	2730	03/18/97	LEWIS		348	8	
		v	563	3918	05/27/97	MANK	OVITZ	379	97	
		w	564	3088	07/01/97	VAUGH	IN et al.	463	40	
		X	564	9284	07/15/97	YOSHI	NOBU	455	5.1	
		Y	565	9366	08/19/97	KERMA	AN	348	460	
		Z	566	8592	09/16/97	SPAUL	DING, II	348	13	
-	,				FORE	IGN PATE	NT DOCUMENTS			
	,	·		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		AA	wo	9727546	07/31/97	PCT			1	
		AB	wo	9613124	05/02/96	PCT				
		AC	wc	9607270	03/07/96	PCT				
		AD	wo	9/02699	1/23/97	PCT				
		AE	уC	9413107	06/09/1994	PCT				
				OTHER DOCUMEN	ITS (Includin	g Author,	Title, Date, Pertinent P	ages, Etc.	)	
			AF	"Internet TV Advertising pages 1-3.	g''; Author = Da	le Cripps;	May 8, 1998; http://web-st	ar.com/hdtv	news/internettv	vadvertising.html;
			AG	"Gates, TV, Interactivity http://web-star.com/hdtv	y''; Author = Da news/gatestvinte	le Cripps; ractivity.h	May 5, 1998; Pages 1-4; itml.			
EXAM	INEF	?	<	thora			DATE CONSIDERED	1		
*EXAN	MINE dered	R: Initi	al il/ei de cop	ference considered, whether by of this form with next com	or not citation is munication to app	in conforma	ance with MPEP 609; Draw Ii	ne through ci	tation if not in co	onformance and not
								de-		111

. " '	٠.	OIP	E		ATTY DOCKET NO. 5038.00		SERIAL NO. <b>08/</b>	815168
	IŅF	ORMATION DISCLO: (Use sereral sheets ii			FREEMAN et al.			
		8 t HILL			FILING March 11, 1		GROUP	2776
		E.	u.s	S. PATENT	DOCUMENTS	.331		2770
*EXAMINER	Τ_	DOCUMENT NUMBER	MARY.			01400	T GUIDGI AGG	FILING DATE
INITIAL					NAME	CLASS	SUBCLASS	IF APPROPRIATE
AML	AH	5677708	10/14/97	MATT	HEWS, III et al.	345	115	200
	AI	5694163	12/02/97	HARRI	SON	348	13	JUN EIVA
	AJ	5696905	12/09/97	REIME	R et al.	395	227	10/0n 22 20 50
	AK	5724103	03/03/98	BATCH	IELOR	348	553	Center
	AL	5729252	03/17/98	FRASE	R	345	302	PECEIVE 2000 Center 2001
	AM	5734437	03/31/98	BACK		348		
	AN	5761602	06/02/98	WAGN	ER et al.	455	3.1	RECEIVED JUN 2 7 2001
	AO	5761606	06/02/98	WOLZ	IEN	455	6.2	- NE
	AP	5774664	06/30/98	HIDAR	Y et al.	395	200.48	RECEIVED JUN 2-7 2001 JUN 2-7 2600
	AQ	5778181	07/07/98	HIDAR	Y et al.	395	200.48	2600
	AR	6018768	01/25/00	ULLM	AN et al.	709	218	
<u>-</u>			FORE	IGN PATE	NT DOCUMENTS			
٠		DOCUMENT NUMBER	R DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AS	19545882	06/1997	German	ny			
	AT	0982943	5/10/00	Europe		_		
	AU	WO 96379/15	11/21/96	PCT				
	AV	WO 9729458	8/14/97	PCT				
	AW	WO 9939506	8/05/99	PCT				
	,	OTHER DO	OCUMENTS (Includin	g Author	, Title, Date, Pertiner	nt Pages, Etc.	)	
		AX "ICTV" Brochur	re (a reproduced copy pr	rovided); (	copyright 1988 by ICTV	; 27 pages.		
		AY "TV Navigator"	brochure; copyright 19	97 by Net	work Computer, Inc.; 6	pages.		
EXAMINE		Thata			DATE CONSIDERED	2/13/01		
*EXAMINE considered	R: Initi I. Inclu	al if reference considered, ade copy of this form with r	whether or not citation is next communication to app	in conform plicant.	ance with MPEP 609; Dra	aw line through ci	itation if not in co	onformance and not

Form PTO-A820 (also form PTO-1449) Copyright 1994-97 LegalStar P09C/REV03

Patent and Trademark Office \* U.S. DEPARTMENT OF COMMERCE

	1						ATTY DOCKET NO. 5038.00	S	ERIAL NO.	815168	T
		IŅFC	DRM/	ATION DISCLOSURE	CITATION		FREEMAN et al.			010100	$\neg$
•			(U	lse several sheats if herese	ary)		FILING	Ic	ROUP		
1					r r		March 11, 199			2776	
				2 JOH 1 8 2001	1	S. PATENT	DOCUMENTS				
EXAM				DOCUMENTENHUMBER AREN OF	DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
bh	IT	AY	581	8441	10/6/98	THRO	CKMORTON	345	328		
		AZ	512	8752	07/07/92	VON K	OHORN	358	84		
		ВА	519	1410	03/02/93	McCAI	LLEY et al.	358	86	JU	70
		ВВ	526	2860	11/16/93	FITZP	ATRICK et al.	358	142	N 2 0109Y	30
		вс	528	5278	02/08/94	HOLM	AN	358	142	JUN 2 7 2001 Bechnology Center 2	DECEINE P
		BD	543	8355	08/01/95	PALMI	ER	348	1	JUN 2 7 2001 Technology Center 2600	
		BE	547	9268	12/26/95	YOUNG	G et al.	358	335	,0	
		BF	557	0295	10/29/96	ISENBI	ERG et al.	364	514 R		
		ВG	535	3283	10/04/94	TSUCH	ІІУА	370	60		
		вн	560	4542	2/18/97	DEDRI	СК	348	552		
		BI	564	0193	6/17/97	WELLI	NER	348	7		
					FORE	IGN PATE	NT DOCUMENTS				
				DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
		BJ	048	9387	12/02/91	EPO					
						_					
				OTHER DOCUMEN	NTS (Includin	g Author	r, Title, Date, Pertinent F	Pages, Etc.,	)		
			ВK	"Worldgate" brochure;	copyright 1998 b	y Worldg	ate Communications; 12 pa	ages.			
			BL	"Microsoft Web TV" br	ochure; copyrig	ht 1998 by	WebTV Networks, Inc.; 1	6 pages.			
EXAM	INEF	3		tala			DATE CONSIDERED	0/		* 5= 5= 5	
*EXAN	/INE lered	R: Initi	al if red	terence considered, whether	r or not citation is nmunication to an	in conform	nance with MPEP 609; Draw I		tation if not in co	onformance and no	ot
			_		•						1

Form PTO-A820 (also form PTO-1449)

				5038.0		SERIAL NO. 08/	815168
	IŅF	ORMATION DISCLOS	PREQUATION SECOND		1		
		Jinu .iinu	18- 8	FILING			200
-		A SUN	Z001 -		, 1997		4110
*EV4****	March 11, 1997 2776  U.S. PATENT DOCUMENTS  EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE						
'EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	1	IF APPROPRIATE
Hur	ВМ	5686954	11/11/97	YOSHINOBU et al.	348	13	<b>A</b>
	BN	5724091	3/03/98	FREEMAN et al.	348	13	/CCS
	во	5793365	8/11/98	TANG et al.	345	329 Technol	WES VED
	ВР	5892909	4/06/99	GRASSO et al.	395	200.31	Oy Cen (OO)
	BQ	5912700	6/15/99	HONEY et al.	348	157	.al 5100
	BR	5940082	8/17/99	BRINEGAR et al.	345	442	ا م ا
	BS	6122658	9/19/00	CHADDHA	709	203	JU EC
	вт	5264933	11/23/93	ROSSER et al.	358	183	100 2.7 EV
	BU	5498000	3/12/96	CUNEO	273	354	LIN
	BV	4625235	11/25/86	WATSON	358	86	, 260
T	BW	5600366	02/04/97	SCHULMAN	348	9	
			FORE	IGN PATENT DOCUMENTS			
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	
	<u> </u>						
	<u> </u>	OTHER DOC	UMENTS (Includin	g Author, Title, Date, Pertin	ent Pages, Etc.	<u>.)</u> .)	<u>.                                    </u>
EXAMINE	R	that	lai	DATE CONSIDERED	2/13/01	·	
*EXAMINE	R: Initi I. Inclu	al if reference considered, who de copy of this form with nex	nether or not citation is t communication to app	in conformance with MPEP 609; I		sitation if not in co	onformance and not
Salasa 22	ATT-101		_	7.51e-200			

Form PTO-A820 (also form PTO-1449)

					ATTY DOCKET NO. 5038.00		SERIAL NO.	815168
	INFO	RMATION DISCLOSUBE (Use several species in neces	CITATION Sany	4	FREEMAN et al.		-1 1-2-	
Н			SC18		FILING March 11, 100	7	GROUP	7776
		JUN 1 8 2	W,	S. PATENT	March 11, 199			2776
*EXAMINER		DOCUMENT NUMBERADEM	DATE		NAME	CLASS	SUBCLASS	FILING DATE
INITIAL	nv	5786869	7/28/98	BACK				IF APPROPRIATE
HVT	BX	3/80809	1128198	BACK	et al.	348	565	PICE/VE/VE/VE/VE/VE/VE/VE/VE/VE/VE/VE/VE/VE
						<u> </u>	Too	JUN CIVE
					<del>.</del>		*1/17	100 200
								Center 24
								\$ <sub>\(\infty\)</sub>
							\ \J_{I}	CC
							EChnos.	27 (5)
							1092	en (10)
		- :					-	CENED Sente ROO
								•
						<del> </del>		
•			FORE	IGN PATE	NT DOCUMENTS	<u>l</u>		
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION
				-				YES NO
	<del></del>	OTHER DOCUME	NTS (Includin	g Author	, Title, Date, Pertinent	Pages, Etc	;. <b>)</b>	
								-
					<u> </u>			
EXAMINER	3	Tola			DATE CONSIDERED	101		
*EXAMINE	R: Initia	al if reference considered, whether	er or not citation is	in conform			citation if not in co	onformance and not
considered.	. Inclu	de copy of this form with next cor	mmunication to ap	plicant.				

	•		- N	PE	ket Number (Optional) 5038.0		pplication Number	815,168	
	INFO	RMATION DISCLOSUR (Use several sheets if neces	sary)	57	licant(s) FREEMAN	N et al.			
		•	( AUG O	1 2001 (i) Filir	March 11,		Group Art Unit	2776	
			ENTS TR	ADEMINATENT	DOCUMENTS				
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING IF APPRO	
HVT	A	5,600,364	02/04/97	HENDRIC	KS et al.	348	1	RECE	IVED
							ļ	AUG 0	3 2001
							Tec	RECE AUG 0 (	Outor 24
	0							o ogy or	311 SI
							ECEIVE	10	
		·				Tech	16 0 0 200		
							IS 0 0 200 pour Center 26	)no	
	:							00	
;								<u> </u>	<del></del>
• :				FOREIGN PA	TENT DOCUMENT	rs			
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Transl YES	ation NO
			<del> </del>						
				OTHER DOC	IMENTS (Include	ling Author, Title, D	ate Partinant D.	Iges Ftc \	
				OTHER DOC	- (Inetuu	ing Aunor, Tute, D	ate, I entinent I t	iges, Eit.)	
			<del></del>	<del></del>					
						0 7 9 /0			
EXAMIŅEI	R·	Thelen		DA	TE CONSIDERED (\.	2/13/200	1		
EXAMINEI not consider	R: Initi	al if Citation considered, whether clude copy of this form with nex	r or not citation is i	in conformance w		1 1	7 7	t in conforma	nce and
Form DTO	4207			BOOM/DEV	27	* 2551.075 v 2737.55			4.5.



) '		
FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE	ATTY. DOCKET NO. 5038.00	SERIAL NO. 08/815,168
(Modified) PATENT AND TRADEMARK OFFICE	_	
INFORMATION DISCLOSURE OF	APPLICANT:	
STATEMENT BY APPLICANT	FREEMAN et al.	
/	<u>\( \delta \) \</u>	
(Use several sheets if necessary)	2001 FILING DATE March 11, 1997	GROUP
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	البير المنت	2611
	<b>E</b>	
(P)		
"HANE!	Mペン	

## **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<u> </u>		111			<del></del>
				AFO		
				00	FIVE	
			7.	OEC 1	C	
		·		Unitology o	<001	·
				Chnology Cent	er 260	
					7000	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT	PUBLISHED				TRANSLA	TION
	NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
A	EP 1021 037 A2	07/19/2000	Europe				
В	EP I 021 037 A3	08/23/2000	Europe				
					_		
					-		
-				<u> </u>			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINI	ER	DATE CONSIDERED
	D	Funkschau, De, Franzis-Verlag K.G. Munchen; "Verknuepfung Von TV MIT Internet" (Combining TV with the Internet), vol. 16, no. 18; 16 August 1996, pp. 70-71, middle column, page 71, paragraph 2. (English translation attached.)
	C	Bryan Proffit, "Intercast Brings the Web to TV," January 21, 1997, PC Magazine, pp. 203-204.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.